



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/735,374	12/11/2000	Dennis T. Lai	TITAN-55664	3933

7590 04/25/2006

FULWIDER PATTON LEE & UTECHT, LLP  
Howard Hughes Center  
6060 Center Drive, Tenth Floor  
Los Angeles, CA 90045

EXAMINER
----------

WARE, CICELY Q

ART UNIT	PAPER NUMBER
----------	--------------

2611

DATE MAILED: 04/25/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental  
Notice of Allowability**

Application No.

09/735,374

Examiner

Cicely Ware

Applicant(s)

LAI ET AL.

Art Unit

2634

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 312 amendment filed on 5/9/2005.
2. ☒ The allowed claim(s) is/are 1-35.
3. ☒ The drawings filed on 21 November 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                       |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input checked="" type="checkbox"/> Other <u>312</u>   |

### **SUPPLEMENTAL EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney John Fitzgerald on April 19, 2006:

#### **LISTING OF CLAIMS:**

a. Claim 20, lines 3-16, delete "providing for each, in communicating with the other station, a preamble including forward link parameters and reverse link parameters, providing data for each station to be transmitted to the other station, providing for each station packets each including a preamble to be transmitted from the station to the other station and each including data to be transmitted after the preamble, each preamble including forward link parameters and reverse link parameters, the forward link parameters for the preamble in each station being provided in accordance with the reverse link parameters previously transmitted to the station in a packet from the other station, and the reverse link parameters for each preamble in each individual station providing an indication to the other station of the forward link parameters to be provided by the other station in the next transmission of a packet from the other station to the individual station." insert "providing for each of the first and second stations, a preamble including forward link parameters and reverse link parameters, providing data for each

Art Unit: 2611

of the first and second stations to be transmitted to an other of the first or second stations, providing for each station packets each including a preamble to be transmitted from each of the first station and second stations to the other of the first or second stations and each packet including data to be transmitted after the preamble, each preamble including forward link parameters and reverse link parameters, the forward link parameters for the preamble in each of the first and second stations being provided in accordance with the reverse link parameters previously transmitted to the first or second stations in a packet from the other of the first or second stations, and the reverse link parameters for each preamble in each of the first or second stations providing an indication to the other of the first or second stations of the forward link parameters to be provided by the other of the first of second stations in the next transmission of a packet from the other of the first or second stations to the first or second stations."

b. Claim 21, line 2, delete "each preamble to be transmitted from each station to the other station includes a training sequences.", insert "each preamble to be transmitted from each of the first and second stations to the other of the first or second stations includes a training sequences."

  
KHAI TRAN  
PRIMARY EXAMINER

### REASONS FOR ALLOWANCE

1. The following is a statement of reasons for the indication of allowable subject matter: The instant application discloses a method of communicating between first and second stations. Prior art references show similar methods but fail to teach: **“the second preamble at the second station including second forward link parameters in accordance with the first reverse link parameters received at the second station from the first station and including second reverse link parameters”**, as in claims 1, 7, 14; **“the forward link parameters for the preamble in each of the first and second stations being provided in accordance with the reverse link parameters previously transmitted to the first or second stations in a packet from the other of the first or second stations”**, as in claim 20; **“the first station being constructed to provide as its forward link parameters the reverse link parameters received from the second station”**, as in claim 23; **“a link adaptation controller”**, as in claim 29; **“an assessor for providing reverse link parameters individual to the first station in facilitating the recovery by the second station of data from the first station and in facilitating the processing of the recovered data by the second station”**, as in claim 34.

### *Conclusion*

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cicely Ware whose telephone number is 571-272-3047. The examiner can normally be reached on Monday – Friday, 8-5.

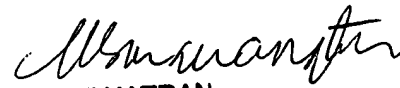
Art Unit: 2611

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 571-272-3056. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

*Cicely Ware*

cqw  
April 19, 2006

  
KHAI TRAN  
PRIMARY EXAMINER

<b>Response to Rule 312 Communication</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/735,374	LAI ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Cicely Ware	2611	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

1. ☒ The amendment filed on 09 May 2005 under 37 CFR 1.312 has been considered, and has been:

- a) ☐ entered.
- b) ☐ entered as directed to matters of form not affecting the scope of the invention.
- c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☒ entered in part. See explanation below.

*Attorney Fitzgerald made changes to claims 20 and 21 as follows:*

**LISTING OF CLAIMS:**

- a. Claim 20, lines 3-16, delete "providing for each, in communicating with the other station, a preamble including forward link parameters and reverse link parameters, providing data for each station to be transmitted to the other station, providing for each station packets each including a preamble to be transmitted from the station to the other station and each including data to be transmitted after the preamble, each preamble including forward link parameters and reverse link parameters, the forward link parameters for the preamble in each station being provided in accordance with the reverse link parameters previously transmitted to the station in a packet from the other station, and the reverse link parameters for each preamble in each individual station providing an indication to the other station of the forward link parameters to be provided by the other station in the next transmission of a packet from the other station to the individual station." insert "providing for each of the first and second stations, a preamble including forward link parameters and reverse link parameters, providing data for each of the first and second stations to be transmitted to an other of the first or second stations, providing for each station packets each including a preamble to be transmitted from each of the first station and second stations to the other of the first or second stations and each packet including data to be transmitted after the preamble, each preamble including forward link parameters and reverse link parameters, the forward link parameters for the preamble in each of the first and second stations being provided in accordance with the reverse link parameters previously transmitted to the first or second stations in a packet from the other of the first or second stations, and the reverse link parameters for each preamble in each of the first or second stations providing an indication to the other of the first or second stations of the forward link parameters to be provided by the other of the first or second stations in the next transmission of a packet from the other of the first or second stations to the first or second stations."
- b. Claim 21, line 2, delete "each preamble to be transmitted from each station to the other station includes a training sequences.", insert "each preamble to be transmitted from each of the first and second stations to the other of the first or second stations includes a training sequences."

  
**KHAI TRAN**  
**PRIMARY EXAMINER**